BRUHATH BANGALORE MAHANAGARA PALIKE

Detailed estimate the work of :-Provisioning Rain water harwesting units in ward no.8 Kodigehalli.

Est Cost: 14.00Lakhs

Sl no	Description of Item	No	L	B	D	Qty	Rate	Amount
1	Earthwork excavation in soil, clay ,sand, shedu soil,soft murrum, including shoring , strutting barricading, danger lighting, bailing out water wherever necessary with stacking the materials as directed upto a lead of 50mtr and lift of 1.5 mtr etc., complete.PRED SR 2012-13.(Page no.42 Item no.8.1)							
	For pits	45	3.14	(1.65x1.65)=0.68	1.50	144.13		
						144.13	148.32 per Cum	21377.00
	Basic Rate	144.00						
	Area Wtg 3%	4.32						
	Net Rate	148.32						
2	Add for additional lift charges for every lift of 1.5 mtr. Or part there of up to 10.50 mtr PRED SR-2012-13(Page no.42, item no.8.1a)							
	For pits	45	3.14	(1.65x1.65)=0.68	0.50	48.04		
						48.04	24.72 per Cum	1188.00
	Basic Rate	24.00						
	Area Wtg 3%	0.72						
	Net Rate	24.72						
3	Supplying and erection of RCC rings for well steining of 0.3m depth using M-20 grade cement concrete using clean graded granite or trap of jelly of approved quality 20mm and down size well compacted including centering form work and plastering for both faces with C M 1:3 porportion as per design 6.50mm M.S. Coil at the rate of 10 kgs/ring including cost of steel and fabrication bailind out of water errection etc ii) For 1.50mtr dia (clear) rings of steining thcikness 0.075mtr upto 18 M depth. PRED SR 2012-13 (Page No. 40 Item No. 8.8a)							
	For rings	7x45				315.00		
					Total	315.00	1396.68 Each	439954.00
	Basic Rate	1356.00						

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	Area Wtg 3%	40.68						
	Net Rate	1396.68						
4	40 mm nominal size (Page no.II, SL.No.30, Code no.0750) PWD SR 2015-16							
	For pits	20	3.14	(1.50x1.50)/4= 0.56	0.50	17.58		
					Total	17.58	825.00	14507.00
	Basic Rate	825.00					Per Cmtr	
	Net Rate	825.00						
5	20 mm nominal size (Page no.II, SL.No.33, Code no.0749) PWD SR 2015-16							
	For pits	45	3.14	(1.50x1.50)/4= 0.56	0.50	39.56		
					Total	39.56	1050.00	41542.00
	Basic Rate	1050.00					Per cum	
	Net Rate	1050.00						
6	12.5mm nominal Size (Page no.II, SL.No.34, Code no.0058) PWD SR 2015-16							
	For pits	45	3.14	(1.50x1.50)/4= 0.56	0.50	39.56		
	Basic Rate	950.00						
	Net Rate	950.00				**39.56**	950.00	37586.00
							Per cum	
7	Pea size gravel/6mm and down stone grit (Page no.II, SL.No.53, Code no.0287) PWD SR 2015-16							
	For pits	45	3.14	(1.50x1.50)/4= 0.56	0.50	39.56		
					Total	39.56	350.00	13847.00
	Basic Rate	350.00					per cum	
	Net Rate	350.00						

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8 KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involiving an avarage horizontal throw upto 2 meters and an avarage lift upto 1.50m excavated surface leveled and sides neatly defssed, the disposed earth to be leveled neatly after breaking of clods comlete asspecifications.(page no141, item no19.1)

silt trap walls

~~For pits~~	45	15.00	0.50	0.30	101.25		
~~For Installing of kerb stones~~	45x2	1.20	0.30	0.75	24.30		
For silt trap	45x1/2	1.20	1.20	0.40	12.96		
				Total	138.51	83.16	11518.00

Basic Rate	77.00
Area Wtg 8%	6.16
Net Rate	83.16

per Sqm

9 KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement 220kgs,with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @o.465 cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation including cost all materials, labour, HOM of machinery, curing complete as per specifications.(P-12, I-4.2)

For pits	45	15.00	0.30	0.10	20.25		
For silt trap walls	45x2	1.20	0.30	0.10	3.24		
	45x1	1.20	1.20	0.10	6.48		
				Total	29.97	5236.92	156950.00

Basic Rate	4849.00
Area Wtg 8%	387.92
Net Rate	5236.92

Per Cmtr

10 Providing and constructing precast concrete soild blocks with compressive strength not less thatn 3.5 newton per sqmm with cement mortar 1:4 masonry (Quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to IS 2185/1965 in superstructure including cost of materilas, labour charges scaffolding curing complete as per specifications (Page No. 25, I- 5.27)

	45x2	1.20		0.65	70.20		
				Total	70.20	1018.44	71494.00

Basic Rate	943.00
Area Wtg 8%	75.44

Per smtr

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Net Rate 1018.44

11 Providing and laying in position plain cement concret of mix 1:2:4 with cement @ 240kgs with 20mm and down size graded granite metal coarse agregates @ 0.69cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exeeding 15 cm thick well compacted in foundation and plinth and cills, including cost all materilas, labour, HOM of machinery, curing complete as per specifications (page no.12 , I,no-4.6)

walls	45x2	1.20	0.20	0.075	1.62		
for silt trap	45x1	1.20	1.20	0.075	4.86		
				Total	6.48	5490.72 Per Cmtr	35580.00

Basic Rate 5084.00
Area Wtg 8% 406.72
Net Rate 5490.72

12 Providing and fixing Precast soild cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm hight and 450mm in length finished with CM 1:3 plastering and finishing cutting , including form work, curing, including cost of all materials, labour hire charges of machinery, loading, unloading lead and lift transportetion etc complete (P. 25 I. No. 5.30)

45x15/.45=667nos	1500				1500.00		
				Total	1500.00	320.76 Per Cmtr	481140.00

Basic Rate 297.00
Area Wtg 8% 23.76
Net Rate 320.76

13 Painting two coats on new concrete surface painting two coats after filling the surface with synthetic enemel paint in all shades on new plastered concrete surface complete as per specifications (Page No. 180 I No. 24.7)

	45	15.00		0.45	303.75		
				Total	303.75	68.04 Per Smtr	20667.00

Basic Rate 63.00
Area Wtg 8% 5.04

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	Net Rate	68.04			
14	Lead for disposal of debris shall be payable at carrage rates by mechanical means including loading and unloading From 13.30 Kms				
	Qty vide item No (1+2+8)	330.68			
		Limit to	314.00	123.20 Per cmtr	38685.00
				Total Rs:-	1386035.00
15	Add 1% QC Charges				13860.35
16	Miscellaneous and unforeseen charges				104.65
				Total Rs:-	1400000.00

(Rupees Fourteen Lakhs only)

CERTIFICATES

1 The work will be Executed within BBMP limit only

2 The work spot is inspected by me

3 The items Provided in the Estimate are quite Essential

4 The Estimate is prepared Based on CSR 2015-2016 and 2012-13 PRED SR

Asst.Engineer
Waard No-8

Asst. Executive Engineer
Kodigehalli Subdivision
BBMP, Bangalore

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore
15/12

Administrative Approval

Accorded For ....14.00 lakh Rs.
Head of A/C.....P-1771
CER NO :.....61..... Dt:..28/12/16

TA CE (YNK)

TECHNICAL SANCTION

Accorded For Rs..Fourteen lakhs only
Head of A/c.....P-1771.....
Div. Ref. No.....86/16-17.....Date.28/12/16

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EE(BTP) 28/12